

SINGER

451K21

INSTRUCTIONS FOR ORDERING

In ordering from this List, the prefix and affix letters with the part number MUST BE quoted exactly as they are shown in the first column.

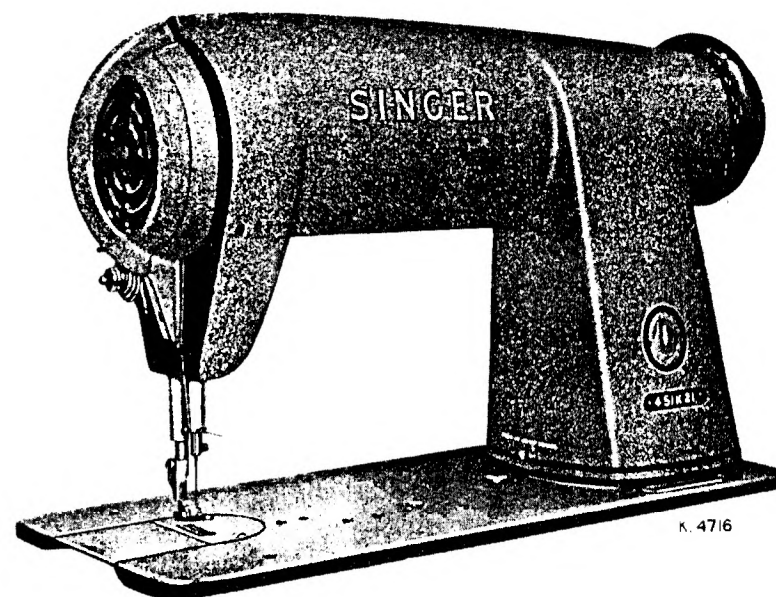
A number always indicates the same part in whatever List it may appear, or for whatever machine.

The affix letters (where shown) indicate the style of finish, as follows:—

- A. Hardened, Polished, Nickel Plated and Buffed.
- B. Polished, Nickel Plated and Buffed.
- C. Hardened only.
- D. Polished only.
- E. Soft, Not Polished.
- F. Hardened and Polished.
- G. Bright Rumbled and Nickel Plated.
- H. Blued.
- J. Nickel Plated only.
- K. Hardened and Nickel Plated.
- L. Brass Plated.
- M. Oxidized.
- R. Phosphate Coating Formed on Surface of Iron or Steel.
- S. Cadmium Plated.
- T. Copper Plated.
- U. Zinc Plated.
- V. Silver Plated.
- W. Polished and Nickel Plated.
- X. Black Oxide for Iron and Steel.
- Y. Black Nickel Plated only.
- Z. Chromium Plated.
- A.A. Buffed and Chromium Plated.
- A.B. Hardened, Polished, Buffed and Chromium Plated.
- A.E. Hardened, Bright Rumbled and Nickel Plated.
- A.F. Hardened, Bright Rumbled, Nickel Plated, Bright Rumbled and Chromium Plated.
- A.G. Alumilite (Plain).
- A.H. Alumilite (Dyed). Colour must be stated.
- A.J. Polished, Nickel Plated and Chromium Plated.
- A.K. Hardened, Polished, Nickel Plated and Chromium Plated.
- A.L. Heat Treated for Toughness.
- A.L.D. Heat Treated for Toughness and Polished.
- A.L.X. Heat Treated for Toughness and Black Oxide.
- A.S. Black Moulded Phenolic.
- A.T. Beige Moulded Phenolic.
- A.U. Brown Moulded Phenolic.
- A.W. Hardened then Flame Coated with Tungsten Carbide.
- B.A. Chrome Nickel, Satin Finish.
- B.B. Hardened and Chrome Nickel, Satin Finish.
- C.R. Hardened and Phosphate Coating Formed on Surface of Steel.
- C.U. Hardened and Zinc Plated.
- F.J. Hardened, Polished and Nickel Plated.
- T.A. Hardened, Polished, Copper and Nickel Plated and Buffed.
- T.B. Copper and Nickel Plated and Polished.
- T.J. Copper and Nickel Plated only.
- T.K. Hardened, Copper and Nickel Plated.
- T.L. Copper and Brass Plated.
- T.M. Copper Plated and Oxidized.
- X.C. Hardened and Black Oxide for Iron and Steel.
- Z.A. Hardened, Polished, Nickel Plated, Buffed and Chromium Plated.
- Z.B. Polished, Nickel Plated, Buffed and Chromium Plated.
- Z.C. Hardened and Chromium Plated.
- Z.D. Polished and Chromium Plated.
- Z.G. Bright Rumbled, Nickel Plated, Bright Rumbled and Chromium Plated.
- Z.J. Nickel and Chromium Plated.
- Z.T. Copper and Chromium Plated.

Parts marked with an asterisk (*) are furnished only when the repairs are made at Factory.

LIST OF PARTS COMPLETE FOR



MACHINE No. 451K21

SINGLE ROTARY THREAD TAKE-UP.

HIGH SPEED. LOCK STITCH.

SINGLE NEEDLE. SHORT ARM.

FOR STITCHING LIGHT AND MEDIUM WEIGHT FABRICS

| No. | Plate | Name | | | | | | | |
|-------------------|-------|---|-----|-----|-----|-----|-----|-----|-----|
| *276001 | | Arm | ... | ... | ... | ... | ... | ... | ... |
| 276002 | 2799 | " Cover (back) | ... | ... | ... | ... | ... | ... | ... |
| 200053x | 2799 | " " (") Screw (2) | ... | ... | ... | ... | ... | ... | ... |
| 201235 | 2799 | " Position Pin (2) | ... | ... | ... | ... | ... | ... | ... |
| 200004c | 2799 | " Screw (3) 1/40 | ... | ... | ... | ... | ... | ... | ... |
| 250300 | | " 3/60 | ... | ... | ... | ... | ... | ... | ... |
| 202005 | 2799 | " " Washer (3) | ... | ... | ... | ... | ... | ... | ... |
| *276003 | 2797 | " Shaft | ... | ... | ... | ... | ... | ... | ... |
| 276004 | 2797 | " " 276003 with 200333c, 200378c, 272143 and 276021 to 276023 | ... | ... | ... | ... | ... | ... | ... |
| 272142 | 2797 | Arm Shaft Ball Bearing (back) | ... | ... | ... | ... | ... | ... | ... |
| 272143 | 2797 | " " " " (front) | ... | ... | ... | ... | ... | ... | ... |
| 270926 | 2797 | " " Connection Belt (reinforced neoprene) | ... | ... | ... | ... | ... | ... | ... |
| 271127 | 2797 | " " " " Pulley with 200363al, 350492c and two 214206 | ... | ... | ... | ... | ... | ... | ... |

| No. | Plate | Name | | |
|-----------------|-------|--|-----|-----|
| 350492c | 2797 | Arm Shaft Connection Belt Pulley Position Screw | ... | ... |
| 200363al | 2797 | " " " " " Set Screw | ... | ... |
| 214206 | 2797 | " " " " " Spring Flange | ... | ... |
| *270008 | --- | Bed | ... | ... |
| 270009 | 2799 | " Slide | ... | ... |
| 276226 | 2792 | Face Plate with 276054 and four 200586x | ... | ... |
| 276054 | 2792 | " " Thread Guard | ... | ... |
| 200586x | 2792 | " " " " Screw | ... | ... |
| 350503alx | 2792 | " " Screw (8) | ... | ... |
| 272106 | 2798 | Feed Bar | ... | ... |
| 272107 | 2798 | " " Hinge Pin | ... | ... |
| 272112 | 2798 | " " " " Lubricating (felt) | ... | ... |
| 200394c | 2798 | " " " " Set Screw | ... | ... |
| 272108 | 2798 | " " " " Thrust Washer | ... | ... |
| 272109 | 2798 | " " Lifting Crank with 200010e | ... | ... |
| 200040e | 2798 | " " " " Pinch Screw | ... | ... |
| 272110 | 2798 | " " " Link | ... | ... |
| 200169c | --- | " " " " Cap Screw (2) | ... | ... |
| 272115 | 2798 | " " " " Oiling Wick | ... | ... |
| 272111 | 2798 | " " " " " Clamp | ... | ... |
| 149031/6, 52031 | 2026 | " Dog, 19 teeth (22 teeth to the inch) for 52033 | ... | ... |
| 208al | 2626 | " " Screw (2) | ... | ... |
| 270013 | 2798 | " Driving Connection | ... | ... |
| 270014 | 2798 | " " " 270013 with 270016 | ... | ... |
| 272113 | 2798 | " " " Crank with 200040e | ... | ... |
| 200040e | 2798 | " " " " Pinch Screw | ... | ... |
| 200545c | 2798 | " " " " Hinge Screw | ... | ... |
| 201522c | 2798 | " " " " " Nut | ... | ... |
| 270016 | 2798 | " " " Needle Bearing | ... | ... |
| 270017 | 2800 | " " Eccentric | ... | ... |
| 270018 | 2800 | " " " Adjusting Disc | ... | ... |
| 270137 | 2800 | " " " " Spring | ... | ... |
| 276009 | 2800 | " " " " Collar with | ... | ... |
| | | 201220c | ... | ... |
| 201220c | 2800 | " " " " " Set Screw | ... | ... |
| 240231 | 2800 | " " " Friction Gib | ... | ... |
| 350578xc | 2800 | " " " " Adjusting Screw | ... | ... |
| 350562xc | 2800 | " " " " " Set Screw | ... | ... |
| 270944 | 2800 | " " Flange with 200333c, 200346c, two each 350562xc and 350578xc | ... | ... |
| 200333c | 2800 | " " " Position Screw | ... | ... |
| 200346c | 2800 | " " " Set Screw | ... | ... |
| 272116 | 2798 | " " Rock Shaft with two each 200394c and 270942 | ... | ... |
| 270944 | 2798 | " " " " Centre (2) | ... | ... |
| 201254c | 2798 | " " " " Set Screw (2) | ... | ... |
| 270942 | 2798 | " " " " Insert (nylon) | ... | ... |
| 270013 | 2798 | " Lifting Connection | ... | ... |

| No. | Plate | Name | | |
|----------|-------|---|-----|-----|
| 270014 | 2798 | Feed Lifting Connection 270013 with 270016 | ... | ... |
| 200545c | 2798 | " " " Hinge Screw | ... | ... |
| 201522c | 2798 | " " " " " Nut | ... | ... |
| 270016 | 2798 | " " " Needle Bearing | ... | ... |
| 272117 | 2800 | " " Eccentric with 200382c and 201220c | ... | ... |
| 201220c | 2800 | " " " Position Screw | ... | ... |
| 200382c | 2800 | " " " Set Screw | ... | ... |
| 272118 | 2798 | " " Rock Shaft with two 270942 | ... | ... |
| 270944 | 2798 | " " " " Centre (2) | ... | ... |
| 201254c | 2798 | " " " " " Set Screw (2) | ... | ... |
| 270942 | 2798 | " " " " Insert (nylon) | ... | ... |
| 270140 | 2800 | " Regulating Stud | ... | ... |
| 210215 | 2800 | " " " Retaining Spring | ... | ... |
| 270026 | 2800 | " " " Spring | ... | ... |
| 276014 | 2794 | Knee Lifter Lifting Link | ... | ... |
| 200293al | 2791 | " " " " Hinge Screw | ... | ... |
| 276015 | 2799 | " " " Rod with 202302 | ... | ... |
| 202302 | 2799 | " " " " Cotter Pin | ... | ... |
| 276016 | 2799 | " " " " Spring | ... | ... |
| 227227 | 2799 | " " " " " Collar with 200113f | ... | ... |
| 200113f | 2799 | " " " " " " Set Screw | ... | ... |
| 276017 | 2799 | " " Rock Frame | ... | ... |
| 200679f | 2799 | " " " " Hinge Screw (back) | ... | ... |
| 200272c | 2799 | " " " " " (front) | ... | ... |
| 276005 | 2797 | Machine Pulley (aluminium alloy casting) for "V" belt (outside diam. of belt groove 2.9 in.) (rim diam. 4 in.) with 350540c and 350544c | ... | ... |
| 276006 | 2797 | Machine Pulley 276005 with 272142 | ... | ... |
| 350540c | 2797 | " " Position Screw | ... | ... |
| 350544c | 2797 | " " Set Screw | ... | ... |
| 270050 | 2794 | Needle Bar with 350445f | ... | ... |
| 270124 | 2794 | " " Bushing (lower) | ... | ... |
| 270261 | 2794 | " " " (upper) | ... | ... |
| 350550al | 2794 | " " " (") Set Screw | ... | ... |
| *276018 | 2794 | " " Connecting Link | ... | ... |
| 276019 | 2794 | " " " " 276018 with 270266 | ... | ... |
| 270055 | 2794 | " " " Guide Block | ... | ... |
| 200054c | 2794 | " " " " " Screw (2) | ... | ... |
| 276020 | 2794 | " " " " Hinge Stud | ... | ... |
| 276021 | 2797 | " " " " " Oiling Felt | ... | ... |
| 276022 | 2797 | " " " " " Flange | ... | ... |
| 276053 | 2797 | " " " " " Oil Leader | ... | ... |
| | | Tube | ... | ... |
| 200374 | 2797 | " " " " " Set Screw | ... | ... |
| 270266 | 2794 | " " " " Needle Bearing | ... | ... |
| 270395 | 2794 | " " " " Thrust Washer | ... | ... |

88 x 1 --- Needle, size 14 6897

| No. | Plate | Name |
|-------------------|-----------------|---|
| 270057 | 2794 | Needle Bar Connecting Stud with 202277 and 350622als |
| 202277 | 2794 | " " " " Oil Packing (wick) |
| 350622als | 2794 | " " " " Pinch Screw |
| *276023 | 2797 | " " Crank with two 200374c |
| 200333c | 2797 | " " " " Position Screw |
| 200378c | 2797 | " " " " Check Screw |
| 270058 | 2794 | " " Oiling Felt |
| 350445f | 2794 | " Set Screw |
| 272121 | 2794 | Presser Bar with 176x |
| 276025 | 2794 | " " Ball, $\frac{3}{4}$ in. diameter |
| 276026 | 2794 | " " Bushing |
| 276027 | 2794 | " " Lifter |
| 350442c | 2794 | " " Hinge Screw |
| 276028 | 2794 | " " Lifting Releasing Lever Bracket |
| 272122 | 2794 | " " Position Guide with 350111c |
| 350411c | 2794 | " " " " Pinch Screw |
| 272123 | 2799 | " " Spring |
| 350435c | 2799 | " " " " Screw (pressure regulating) |
| 350499xc | 2799 | " " " " Std |
| 62527 | 2626 | " Foot Hinge Pin |
| 2626 | 2626 | " " Plate |
| 2626 | 2626 | " " Shank |
| 2626 | 2626 | " " Spring |
| 24983 | 2626 | " " (spring hinged) complete, Nos. 24544, 24982, 26231 and 62527, 760 |
| 176x | 2794 | Came, order 1/60, 2626 760 |
| 272150 | 2792 | Rotary Take-up |
| 276032 | 2792 | " " Adjusting Disc |
| 276033 | — | " " " " 276032 with 276035 and two 200582h |
| 276034 | 2792 | " " Clamping Plate |
| 200567xc | 2792 | " " " " Screw (2) |
| 276035 | 2792 | " " Counterbalance |
| 200582h | — | " " " " Screw |
| 276227 | 2792 | " " Guard |
| 200031x | 2792 | " " " " Screw (long) |
| 200069x | 2792 | " " " " (short) |
| 276228 | 2792 | " " Cover |
| 276038 | 2792 | " " " " Grill |
| 200161x | 2792 | " " " " " " Screw (3) |
| 200263xc | 2792 | " " " " Hinge Screw |
| 67425 | 2792 | " " " " " " Spring Washer |
| 230743c | 2792 | " " " " " " Thrust Washer |
| 276229 | 2792 | " " " " " " Spring Catch |
| 350503x | 2792 | " " " " " " Screw |
| 201537e | 2792 | " " " " " " Nut |
| 200685c | 2792 | " " " " Thread Guide Screw |

| No. | Plate | Name |
|-------------------|-----------------|--|
| 200577a1 | 2792 | Rotary Take-up Screw (3) |
| 276043 | 2792 | " " " " Spacer |
| 276043 | 2792 | Rotating Hook with 143301, 270878 and two 1253al |
| 276043 | 2792 | " " " " with 270874xc and four 1053c |
| 276043 | 2792 | " " " " with 270872, 270874 and three 1367c |
| 276043 | 2792 | " " " " with 52237 |
| 270010 | 2772 | " " Robbin |
| 52235 | 2772 | " " " " Case |
| 52236 | 2772 | " " " " 52235 with 591f, 1380e and 40394 |
| 40393 | 2772 | " " " " Hinge, Nos. 2974, 40392 and 125320 |
| 270872 | 2772 | " " " " Holder (chromium plated) |
| 272131 | 2772 | " " " " " " Position Bracket |
| 200077d | 2772 | " " " " " " " " Screw |
| 40392 | 2772 | " " " " " " Latch |
| 125320 | 2772 | " " " " " " Lever |
| 2974 | 2772 | " " " " " " Fulcrum Pin |
| 2975 | 2772 | " " " " " " Spring |
| 592e | 2772 | " " " " " " Stop Screw |
| 10394 | 2772 | " " " " " " Tension Spring |
| 591f | 2772 | " " " " " " Regulating Screw |
| 1380e | 2772 | " " " " " " Screw |
| 52237 | 2772 | " " " " " " complete, Nos. 592e, 2975, 40393 and 52236 |
| 270873 | 2772 | " " " " " " 52237 with 270872 (for Agents only) |
| 276044 | 2800 | " " Driving Shaft |
| 272144 | 2800 | " " " " Ball Bearing |
| 276045 | 2800 | " " " " Bushing with 276046 |
| 276046 | 2800 | " " " " Oil Packing (wick) |
| 200346c | 2800 | " " " " Set Screw |
| 270169 | 2800 | " " " " Connection Belt Pulley with 214206 and two 200070c |
| 200070c | 2800 | " " " " Connection Belt Pulley Set Screw |
| 214206 | 2800 | " " " " " " Spring |
| 276047 | 2800 | " " " " Flange |
| 201220 | 2800 | " " " " Gear (internal teeth) with 200382 and 201220c |
| 200382 | 2800 | " " " " " " Position Screw |
| 270036 | 2800 | " " " " " " Set Screw |
| 270036 | 2800 | " " " " " " Oil Lead Wire |
| 270879 | 2772 | " " " " Oil Guard |
| 270038 | 2799 | " " " " Reservoir Cover |
| 270038 | 2799 | " " " " " " Gasket |
| 200041x | 2799 | " " " " " " Screw (6) |
| 270878 | 2772 | " " " " Retaining Washer (felt) |
| 143301 | 2772 | " " " " Wick (felt) |
| 270876 | 2772 | " " " " Section |
| 1367e | 2772 | " " " " " " Screw |
| 272154 | — | Rotating Hook Oil Reservoir Cover Washer (fibre) (6) |

| No. | Plate | Name |
|------------------------------------|-------|---|
| 1253al | 2772 | Rotating Hook Set Screw... |
| 276059 | 2800 | " " Shaft ... |
| 270163 | 2800 | " " Bushing ... |
| 270880 | 2800 | " " " " Oil Packing (wick) ... |
| 200346c | 2800 | " " " " Set Screw ... |
| 270164 | 2800 | " " " " End Bearing ... |
| 201215d | 2800 | " " " " " " Screw ... |
| 202423 | 2800 | " " " " Oil Filter Wick ... |
| 276061 | 2300 | " " " " " " Holder ... |
| 276062 | 2800 | " " " " " " complete, Nos. 202123 and 276061 |
| 350498c | 2800 | " " " " " " Regulating Screw ... |
| 270044 | 2800 | " " " " Thrust Washer ... |
| 276060 | 2800 | " " " " Bushing, complete, Nos. 270044, 270163, 270164, 270880, 276059, 276062, 350498c and two 201215d ... |
| 270874xc | 2772 | Rotating Hook Thread Guard ... |
| 1053c | 2772 | " " " " " " Screw ... |
| 2102 | 2792 | Tension Disc ... |
| 276048 | 2794 | " " Releaser (adjustable) ... |
| 200132e | 2794 | " " " " Screw ... |
| 32572 | 2792 | " " Releasing Disc ... |
| 270086 | 2792 | " " " " Pin ... |
| 13710 | 2792 | " " Spring ... |
| 50304c | 2792 | " " Stud ... |
| 52098 | 2792 | " " " " 50304c with 1560c ... |
| 50305c | 2792 | " " " " Set Screw ... |
| 276055 | 2792 | " " Thread Guide Pin ... |
| 1560c | 2792 | " " Thumb Nut ... |
| 276049 | 2792 | " " complete, Nos. 13710, 32572, 39652, 52098 , 52098, 270086 and two 2102 ... |
| 276050 | 2792 | Thread Cutter ... |
| 200583x | 2792 | " " " " Screw ... |
| 276051 | 2792 | " " Guide ... |
| 263118 | 2794 | " " " " (on Needle Bar Bushing) ... |
| 350503alx | 2792 | " " " " Screw ... |
| 276057 | 2794 | " " Pull-off ... |
| ^{4/6} 200145al | 2794 | " " " " Screw (2) ... |
| 276052 | 2792 | " " Retainer (front) ... |
| 200397x | 2792 | " " " " (") Set Screw ... |
| 270080 | 2792 | " " " " (rear) ... |
| 200366x | 2792 | " " " " (") Set Screw ... |
| 39652 | 2792 | " " Take-up Spring ... |
| ¹⁴²⁰⁹⁰ 52098 | 2792 | " " " " Regulator with 50305c ... |
| ^{4/6} 453xc | 2792 | " " " " " " Set Screw ... |
| 52033 | 2626 | Throat Plate (small needle hole), for 52031 ... |
| ^{7/6} 453xc | 2626 | " " " " Screw (2) ... |

ACCESSORIES

| No. | Plate | Name |
|---------------------------------|-------|---|
| 25878 | 2627 | Cloth Guide ... |
| 50190 | 2627 | " " " " Thumb Screw ... |
| 270010 | 2772 | Rotating Hook Bobbin (2) ... |
| 270155 | 2800 | " " " " Oil Reservoir Oil Gauge ... |
| 120378 | 2627 | Screw Driver (bobbin case) ... |
| 88 x 1 | — | Needles, six, size 16 ... |
| 228478 | 18311 | Drip Pan with four $\frac{3}{4}$ in. wire nails... .. |
| 12361 | 2627 | Machine Hinge Connection (2) ... |
| 41400 | 2627 | " " Rest Pin (wood) ... |
| 120342 | 2627 | Oiler (copper plated) with 120343 ... |
| 120343 | 2627 | " " Spout (3 $\frac{1}{2}$ in. long) ... |
| 85318 | 2627 | Screw Driver ... |
| ^{7/6} 80098 | — | Tin of Oil ($\frac{1}{2}$ pint) ... |
| 240566 | — | Wrench ... |

BOBBIN WINDER

(SWINGING AUTOMATIC, RIGHT HAND)
FOR "V" BELT DRIVE

| No. | Plate | Name |
|----------------------------------|-------|---|
| 259128 | 2624 | Brake (leather) ... |
| 259429 | 2624 | " " Clamp ... |
| 200113f | 2624 | " " " " Screw ... |
| 225453 | 2624 | Frame with 200377 ²⁰⁰³⁷⁷ and 259660 ... |
| ^{7/6} 225454 | 2624 | " " Hinge Pin ... |
| ³⁸⁵⁹⁷⁴ | 2624 | " " Oil Packing (wick) ... |
| 259660 | 2624 | " " " " Well Washer ... |
| 225455 | 2624 | " " Spring ... |
| 225456 | 2624 | " " " " Plunger ... |
| 101211 | 2624 | Pulley with 200380c ... |
| 200380c | 2624 | " " Set Screw ... |
| 225381 | 2624 | Spindle ... |
| 225444 | 2624 | Stop Latch ... |
| 200056e | 2624 | " " " " Screw ... |
| 225458 | 2624 | " " " " Thumb Lever... .. |
| 225459 | 2624 | " " " " " " Hinge Stud ... |
| 225459 | 2624 | " " " " " " Joint Stud ... |
| 202478 | 2624 | " " " " Trip Lever ... |
| 200299h | 2624 | " " " " " " Hinge Screw ... |

| No. | Plate | Name |
|---------|-------|--|
| 225461 | 2624 | Tension Bracket with 201499h ... |
| 200082d | 2624 | " " Screw ... |
| 228026 | 2624 | " " Washer ... |
| 2102 | 2624 | " Disc ... |
| 13710 | 2624 | " Spring ... |
| 201499h | 2624 | " Stud ... |
| 201572h | 2624 | " Thumb Nut ... |
| 225462 | 2624 | Bobbin Winder Tension Bracket, complete, Nos. 13710, 201572h, 225461 and two 2102 ... |
| 259430 | 2624 | Bobbin Winder and Tension Bracket Base ... |
| 104212 | 2624 | " " (swinging automatic, right hand), complete, Nos. 104211, 200056e, 200082d, 200113f, 200299h, 202478, 225381, 225444, 225453 to 225456, 225158, 225462, 228026, 259428 to 259430, two each 225459 and wood screws $\frac{3}{4}$ in. No. 12 R.H.B. |

BELT GUARD

(Only supplied when specified on order, and at an extra charge)

| No. | Plate | $\frac{1}{6}$ Name |
|----------|-------|---|
| 106502 | 2778 | Belt Guard with two SS706x ... |
| 106503 | 2778 | " " Bracket with three SS706x ... |
| SS707 | 2778 | " " Hinge Screw ... |
| SS706x | 2778 | " " Screw ... |
| SS706x | 2778 | " " Screw ... |
| Tool 293 | 2778 | " " Key ... |
| 106504 | 2778 | " " Support ... |
| 106505 | 2778 | Belt Guard, complete, Nos. Tool 292, SS707 and 106502 to 106504 |

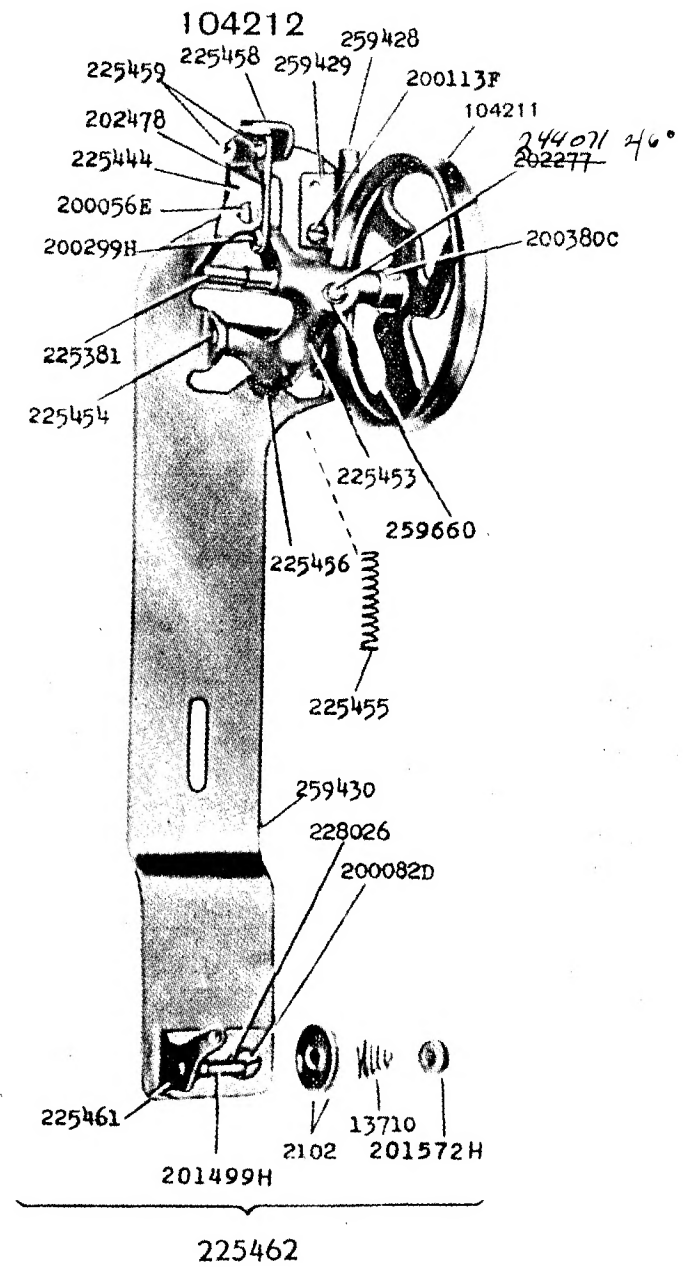
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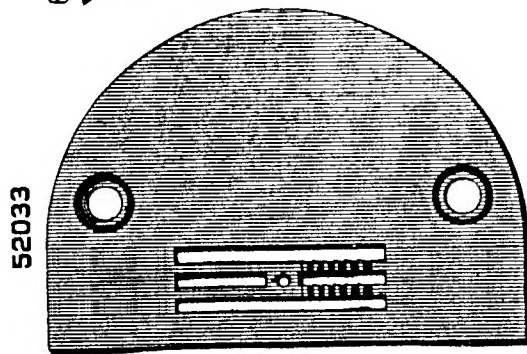
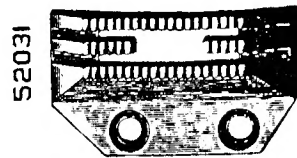
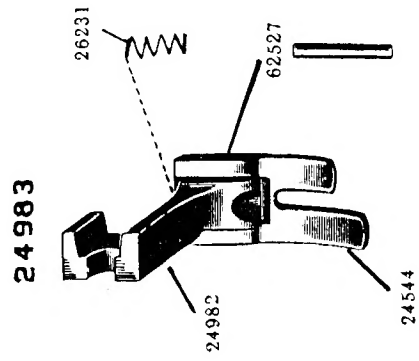
| No. | Plate | Name |
|---------|-------|--|
| 228713 | 18311 | Rock Lever with two 350231c ... |
| 228707 | 18311 | " " Bracket with 200347c and three wood screws $\frac{1}{4}$ in. No. 12 |
| 228709 | 18311 | " " Bracket 228707, with 228363, 228367, 228386, 228155 and 228713 |
| 228370 | 18311 | " " Extension with 200530c ... |
| 350231c | 18311 | " " Set Screw ... |
| 228363 | 18311 | " " Hinge Pin ... |
| 228364 | 18311 | " " Knee Plate with 350231c ... |
| 228388 | 18311 | " " Arm ... |
| 350231c | 18311 | " " Set Screw ... |
| 350231c | 18311 | " " Set Screw ... |
| 228155 | 18311 | " " Position Spring ... |
| 228365 | 18311 | " " Rod ... |
| 200530c | 18311 | " " Set Screw ... |
| 228386 | 18311 | " " Spring ... |
| 228367 | 18311 | " " Stop Stud ... |
| 200347c | 18311 | " " Set Screw ... |
| 228710 | 18311 | Knee Lifter Rock Lever, complete, Nos. 228364, 228365, 228370, 228388 and 228709 ... |

(Other Knee Lifter parts are listed with parts of Machine Head)

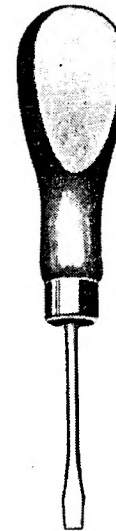
THREAD UNWINDER

| No. | Plate | Name |
|---------|-------|---|
| 228692 | 18362 | Spool Pin ... |
| 201528h | 18362 | " " Nut ... |
| 228693 | 18362 | " " Washer ... |
| 225257 | 18362 | " Rest (for two spools) (flat) with 201018c, two each 201528h, 228692 and 228693 ... |
| 150203 | 18362 | Spool Rest Cushion (felt) ... |
| 225388 | 18362 | " " Rod ... |
| 200383c | 18362 | " " Set Screw ... |
| 201018c | 18362 | " " Set Screw ... |
| 259650 | 18362 | " Stand with 200383c ... |
| 225391 | 18362 | Thread Guide ... |
| 201696h | 18362 | " " Lock Nut ... |
| 225326 | 18362 | " " Position Cup ... |
| 27739 | 18362 | Thread Cone (wood) (only supplied when specified on order and at an extra charge) ... |
| 225258 | 18362 | " Unwinder (for two spools), complete, Nos. 201696h, 225257, 225324, 225388, 259650, two each 150203, 225391 and three wood screws $\frac{1}{4}$ in. No. 12 ... |





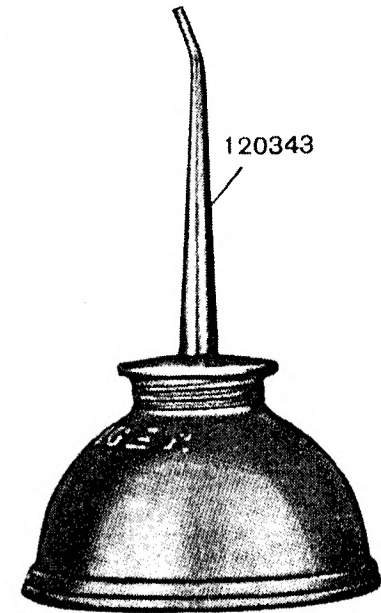
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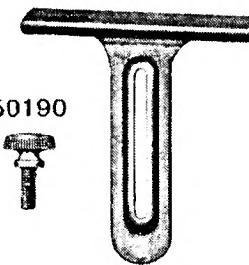
120378.



120342



25878.



50190



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12361

